



VITAMIN B1, WHOLE BLOOD

Status: Final result MyChart: Not Released

	Value	Range
VITAMIN B1, WHOLE BLOOD	148	70 - 180 nmol/L

Comments:

INTERPRETIVE INFORMATION: Vitamin B1, Whole BloodThe concentration of thiamine diphosphate (TDP), the primary active form of vitamin B1, is measured in this assay. Approximately 90% of vitamin B1 present in whole blood is TDP. Thiamine and thiamine monophosphate, which comprise the remaining 10%, are not measured. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS Performed by ARUP Laboratories, 500 Chipeta Way, SLC, UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/05/13
9:26 AM**Order Information** Lab Collection Information, Order Information, Order Providers

Weill Cornell Medical College
Physician Organization

New York-Presbyterian

Patient: Paul Aiken

MRN
DOE
SE)

VITAMIN B1, WHOLE BLOOD

Status: Final result MyChart: Not Released

	Value	Range
VITAMIN B1, WHOLE BLOOD	148	70 - 180 nmol/L

Comments:

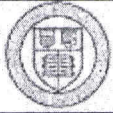
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Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/05/13
9:26 AM**Order Information** Lab Collection Information, Order Information, Order Providers



Weill Cornell Medical College
Physician Organization

NewYork-Presbyterian

Patient: Paul Aiken

MRN:

DOB:

SEX:

VITAMIN B6, PLASMA



Status: Final result MyChart: Not Released

	Value	Range
VITAMIN B6,PLASMA	178.7 (H)	20.0 - 125.0 nmol/L

Comments:

INTERPRETIVE INFORMATION: Vitamin B6 (Pyridoxal 5-Phosphate)Pyridoxal 5'-phosphate measured in a specimen collected following an 8-hour or overnight fast accurately indicates vitamin B6 nutritional status. Non-fasting specimen concentration reflects recent vitamin intake. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS Performed by ARUP Laboratories, 500 Chipeta Way, SLC, UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

Resulting Agency NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AM

Last Resulted: 08/05/13
11:12 PM



Order Information Lab Collection Information, Order Information, Order Providers

Weill Cornell Medical College
Physician Organization

NewYork-Presbyterian

Patient: Paul Aiken

N
E
S**COPPER, SERUM/PLAS**

Status: Final result MyChart: Not Released

	Value	Range
COPPER	88	70 - 140 ug/dL

Comments:

Serum copper may be elevated with infection, inflammation, stress, and copper supplementation. Serum copper may be reduced by use of corticosteroids and zinc and by malnutrition or malabsorption. REFERENCE INTERVAL: Copper, Serum Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com). Performed by ARUP Laboratories, 500 Chipeta Way, SLC, UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/04/13
2:18 AM**Order Information** Lab Collection Information, Order Information, Order Providers

Weill Cornell Medical College
Physician Organization

NewYork-Presbyterian

Patient: Paul Aiken

MI
DC
S

CERULOPLASMIN



Status: Final result MyChart: Not Released

Value

Range

CERULOPLASMIN

14 (L)

17 - 54 mg/dL

Comments:

REFERENCE INTERVAL: Ceruloplasmin Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com). Performed by ARUP Laboratories, 500 Chipeta Way, SLC, UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/03/13
11:24 PM**Order Information** [Lab Collection Information](#), [Order Information](#), [Order Providers](#)



Weill Cornell Medical College
Physician Organization







NewYork-Presbyterian

Patient: Paul Aiken

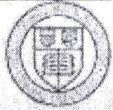
M
D
S

TSH (THYROID STIM HORMONE),3RD GENERATION

Status: Final result MyChart: Not Released

	Value	Range
TSH 3RD GENERATION	2.76	0.34 - 5.60 uIU/mL
Resulting Agency	NEW YORK HOSPITAL LABORATORIES	
Specimen Collected: 08/02/13 11:49 AM	Last Resulted: 08/02/13 4:35 PM	     

Order Information [Lab Collection Information](#), [Order Information](#), [Order Providers](#)

**IMMUNOFIXATION, ELECTROPHORESIS, SERUM
(SIFE+)**

Status: Edited Result - FINAL

MyChart: Not Released

	Value	Range
TOTAL PROTEIN	6.1	6.1 - 7.9 g/dL
SERUM ALBUMIN	4.3	2.6 - 5.7 g/dL
SERUM ALBUMIN %	70.5	%
SERUM ALPHA 1	0.1	0.1 - 0.4 g/dL
SERUM ALPHA 1 %	2.1	%
SERUM ALPHA 2	0.6	0.3 - 1.1 g/dL
SERUM ALPHA 2 %	9.3	%
SERUM BETA	0.5	0.3 - 1.3 g/dL
SERUM BETA %	8.7	%
SERUM GAMMA	0.6	0.6 - 1.9 g/dL
SERUM GAMMA %	9.4	%
IMMUNOGLOBULIN G	648	639 - 1349 mg/dL
IMMUNOGLOBULIN A	164	70 - 312 mg/dL
IMMUNOGLOBULIN M	85	56 - 352 mg/dL
KAPPA, FREE LIGHT CHAIN	0.59	0.33 - 1.94 mg/dL
LAMBDA, FREE LIGHT CHAIN	1.34	0.57 - 2.63 mg/dL
KAPPA/LAMBDA FLC RATIO	0.44	0.26 - 1.65

Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/05/13
3:13 PM**Order Information** [Lab Collection Information](#), [Order Information](#), [Order Providers](#)

Weill Cornell Medical College
Physician Organization

NewYork-Presbyterian

Patient: Paul Aiken

M
D
S**GANGLIOSIDE IGG/IGM PANEL
(GM1,2,GD1A,B,GQ1B,ASIALO-GM1)**

Status: Final result

MyChart: Not Released

	Value	Range
GANGLIOSIDE(asialo-GM1)IGG/IGM	20	0 - 50 IV
GANGLIOSIDE(GM1)IGG/IGM	4	0 - 50 IV
GANGLIOSIDE(GM2)IGG/IGM	8	0 - 50 IV
GANGLIOSIDE(GD1a)IGG/IGM	7	0 - 50 IV
GANGLIOSIDE(GD1b)IGG/IGM	3	0 - 50 IV
GANGLIOSIDE(GQ1b)IGG/IGM	2	0 - 50 IV

Comments:

INTERPRETIVE INFORMATION: Ganglioside (Asialo-GM1, GM1, GM2, GD1a, GD1b, and GQ1b) Antibodies, IgG/IgM 29 IV or less: Negative 30-50 IV: Equivocal 51-100 IV: Positive 101 IV or greater: Strong Positive Ganglioside antibodies are associated with diverse peripheral neuropathies. Elevated antibody levels to ganglioside-monosialic acid (GM1), and the neutral glycolipid, asialo GM1 are associated with motor or sensorimotor neuropathies, particularly multifocal motor neuropathy. Anti-GM1 may occur as IgM (polyclonal or monoclonal) or IgG antibodies. These antibodies may also be found in patients with diverse connective tissue diseases as well as normal individuals. GD1a antibodies are associated with different variants of Guillain-Barre syndrome (GBS) particularly acute motor axonal neuropathy while GD1b antibodies are predominantly found in sensory ataxic neuropathy syndrome. Anti-GQ1b antibodies are seen in more than 80 percent of patients with Miller-Fisher syndrome and may be elevated in GBS patients with ophthalmoplegia.

The role of isolated anti-GM2 antibodies is unknown. These tests by themselves are not diagnostic and should be used in conjunction with other clinical parameters to confirm disease. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS Performed by ARUP Laboratories, 500 Chipeta Way, SLC, UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/06/13
1:00 AM**Order Information** Lab Collection Information, Order Information, Order Providers



SJOG AB-SSA(RO)/SSB(LA)

Status: Final result MyChart: Not Released

	Value	Range
SSA (RO)ENA AB IGG	1	0 - 40 AU/mL

Comments:

INTERPRETIVE INFORMATION: SSA (Ro) (ENA) Ab, IgG 29 AU/mL or Less
..... Negative 30 - 40 AU/mL Equivocal 41 AU/mL or
Greater PositiveSSA (Ro) antibody is seen in 70-75% of Sjogren
syndromecases, 30-40% of systemic lupus erythematosus (SLE) and5-10% of
progressive systemic sclerosis (PSS).

SSB (LA)ENA AB IGG	0	0 - 40 AU/mL
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Comments:

INTERPRETIVE INFORMATION: SSB (La) (ENA) Ab, IgG 29 AU/mL or Less
..... Negative 30 - 40 AU/mL Equivocal 41 AU/mL or
Greater PositiveSSB (La) antibody is seen in 50-60% of Sjogren
syndromecases and is specific if it is the only ENA antibodypresent. 15-25% of
patients with systemic lupuserythematosus (SLE) and 5-10% of patients with
progressivesystemic sclerosis (PSS) also have this antibody.Performed by ARUP
Laboratories,500 Chipeta Way, SLC,UT 84108 800-522-2787www.aruplab.com, Jerry
W. Hussong, MD - Lab. Director

Resulting Agency NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AMLast Resulted: 08/04/13
5:51 AM**Order Information** [Lab Collection Information](#), [Order Information](#), [Order Providers](#)



SIFE+ INTERP

Status: Final result MyChart: Not Released

IFE+ INTERPRETATION

Comment: Using anti-gamma, -alpha, -mu, -kappa and -lambda sera, monoclonal protein is not detected.

Interpretation: M-protein not detected.

Comments:

Results Reviewed and Signed Out by: MIKHAIL ROSHAL MD, PhD. 08/06/13 12:14
(Electronic Signature)

PEP S INTERP PROFESSIONAL

Interpretation: Hypogammaglobulinemia. M-spike not detected. Urine immunofixation electrophoresis (IFE) may be considered if clinically indicated.

Comments:

Results Reviewed and Signed Out by: MIKHAIL ROSHAL MD, PhD. 08/06/13 12:14
(Electronic Signature)

ICD-9

729.5

Resulting Agency

NEW YORK HOSPITAL LABORATORIES

Specimen Collected: 08/02/13
11:49 AM

Last Resulted: 08/06/13
12:14 PM



Order Information [Lab Collection Information](#), [Order Information](#), [Order Providers](#)